



DETAIL SPECIFICATIONS

Rear Axle

MAKE: MACK

Axle Model	S462R
Capacity, Pounds	46,000 [20 900 kg]
Axle Creep Rating	Pounds.70,000 [31 800 kg]

NOTE: Axle creep rating does not take into account the suspension creep rating which may be different. Check with the suspension supplier to be sure the suspension creeping meets your application needs.

Gross Combination Weight Rating:

w/Opt. CRDPC125 - CRD126 Up to:.....	125,000 lbs. [56 818 kg]
w/Std. CRDPC150 - CRD151 Up to:.....	150,000 lbs. [68 182 kg]
w/Opt. CRDP202 - CRD203 Up to:.....	180,000 lbs. [81 818 kg]

See MackTrac for specific GVW/GCW ratings per Carrier Application Guidelines. Failure to follow these guidelines may void Mack's Carrier Warranty.

Carriers

Type
Standard Dual Reduction Top Mounted with Inter-Axle Power Divider & 4 Pinion Closed Differential

Optional Air assisted Inter-Axle Power Divider Lockout

Optional (CRD1501-1511, CRD2021-2031). Interwheel Power Divider

Optional Driver Controlled, Air Assisted Interwheel Differential Lock, available on Front Rear, Rear Rear or Both Rears is only available on CRD125/126 and CRD150/151

Standard Iron - CRDPC150 - CRD151

Available Ratios:

3.11*; 3.25*; 3.40*; 3.56*; 3.79; 3.98; 4.19; 4.50*; 4.80; 5.04;
5.31; 5.66; (* are not available with Inter-Wheel Power Divider)

Due to application variations (engine power/torque, transmission, tire size and duty cycle) some ratios may not be acceptable for GCW/GVW ratings listed.

Optional Iron - CRDPC125 - CRD126

Available Ratios:

2.54; 2.66; 2.83

Optional Iron - CRDP202 - CRD203

Available Ratios:

3.63; 3.94; 4.35; 4.73; 5.02; 5.46; 5.95; 6.41; 7.08; 8.37

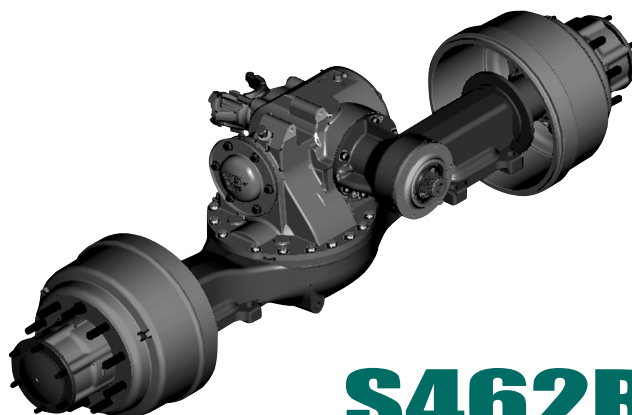
Due to application variations (engine power/torque, transmission, tire size and duty cycle) some ratios may not be acceptable for GCW/GVW ratings listed.

Oil Capacity, pints Carrier Bowl, each 26 [12.3L]
Bevel Gear Compartment, each Carrier

(125/126) 8 [3.8L]

(150/151, 1501/1511) 8 [3.8L]

(202/203, 2021/2031) 8.5 [4.0L]



S462R

46,000 LBS [20 900 kg]

Inter-Axle Power Divider

(125)	1.0 [0.5L]
(150/1501)	1.0 [0.5L]
(202/2021)	1.5 [0.7L]

Drain Plugs..... Magnetic

Axle Housing, Type..... Cast Ductile with Forged Spindle Ends
Welded to Housing Shell Inner Journal

Spindle Induction Hardened Inner Journal

Diameter Inner Bearing 3.75" [95 mm]

Outer Bearing 3.25" [83 mm]

Spindle Bore 2.67" [68 mm]

Axle Shafts, Type Integral Flange

Material Induction Hardened

Chromium Molybdenum Steel

Body Diameter 1.890" [48 mm]

Diameter over Splines 2.200" [56 mm]

Splines, No. & Type..... 43-Involute

Brakes..... Service Brake

Type..... "S" Cam

Actuation..... Air

Lining Size, Diameter 16.5" [419 mm]

Width..... 7" [178 mm]

Lining Thickness..... 0.86" [22 mm]

Lining Area, Total 880 in² [5 677 cm²]

Chamber Size—Sq. In. Per Wheel..... 1 @ 30 [194 cm²]

Slack Adjuster Length..... 5.5-6" [140-152 mm]

Brake Adjustment Self Adjusting

Parking Emergency Brake..... Spring Loaded Chamber

Auxiliary Spring Brake

Type..... Spring Loaded Chambers
(Double Diaphragm Type)

Spring Release Mechanical
No. of Units:

Two (one unit per wheel on forward axle), four units available

• Tractor—Cam Brakes w/front axle rating of
12,000 lbs. [5 400 kg] or less

Four (one unit per wheel)

• Tractor—Cam Brakes w/front axle rating greater than 12,000
lbs. [5 400 kg]

• Truck—Cam Brakes

Mack mRIDE 46

Product Specifications	
Weight Rating	46,000 Pounds
Load Distribution	50 / 50
Spring type	Parabolic
Width of Spring	2.95 in. (75mm)
Number of Leaves	3 Normal Ride
Leaf Thickness	2 @ 1.61 in. (41mm) 1 @ 2.17 in. (55mm)
PID Code	1861610
Deflection Rate (lbs./in)	21,700
Weight – Conventional Cab and Cabover ¹	1441 ¹
Creep Rating	60,000 Pounds
Spring height	5.63 in. (143mm)
Rear Shock Absorber	4 standard
Available Mack Axles	S462R (PID code 2681026)
V-Rod Tube (OD x Wall thickness)	1.89 in. (48mm) x 0.20 in. (5mm)
Lower Torque Rod Tube (OD x Wall thickness)	1.89 in. (48mm) x 0.20 in. (5mm) –Left - Adjustable
	1.89 in. (48mm) x 0.20 in. (5mm) –Right - Fixed
Axle Spacing	54 in.
Suspension Jounce (metal to metal)	3.94 in. 100mm)
Available Truck Models	CHU, GU7 & GU8, TD, MRU, LEU
1. Includes torque rods, brackets but no crossmembers	

Mack mRIDE 46

Suspension Ride Heights		
	CHU, GU7, GU8 & TD *	MRU & LEU **
# Of Leaves	3 Tractor/Truck Normal Ride	3 Truck Normal Ride
Weight Ratings (Lbs.)	46,000	46,000
Ride Height Chassis Only***	11.1"	11.5"
Ride Height Full Load***	9.9"	10.3"
* CHU, GU7, GU8 & TD Ride Heights Based on 11.8in (300mm) frame height ** MRU & LEU Ride Heights Based on 13.37in (340mm) frame height *** Centerline of Rear Axle to Bottom of Frame		

Mack mRIDE 46 – 3 leaf

